

ABSTRACT OF THE DISCLOSURE

5 The present invention relates to a method of producing a diesel fuel blend having
a pre-determined flash-point and a pre-determined increase in cetane number over the
stock diesel fuel. Upon establishing the desired flash-point and increase in cetane
number, an amount of a first oxygenate with a flash-point less than the flash-point of the
stock diesel fuel and a cetane number equal to or greater than the cetane number of the
10 stock diesel fuel is added to the stock diesel fuel in an amount sufficient to achieve the
pre-determined increase in cetane number. Thereafter, an amount of a second
oxygenate with a flash-point equal to or greater than the flash-point of the stock diesel
fuel and a cetane number greater than the cetane number of the stock diesel fuel is
added to the stock diesel fuel in an amount sufficient to achieve the pre-determined
15 increase in cetane number.